

FIG.3(a)

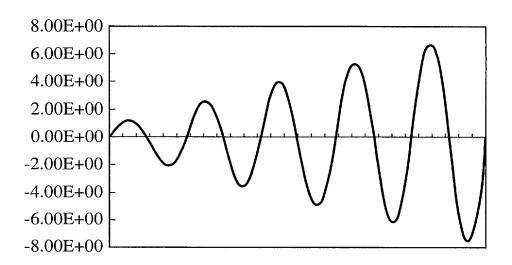
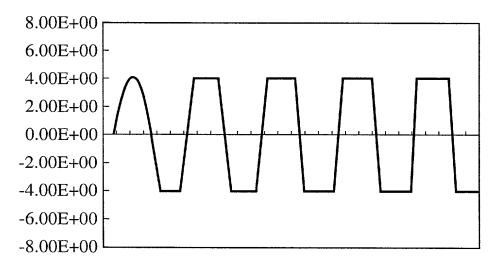
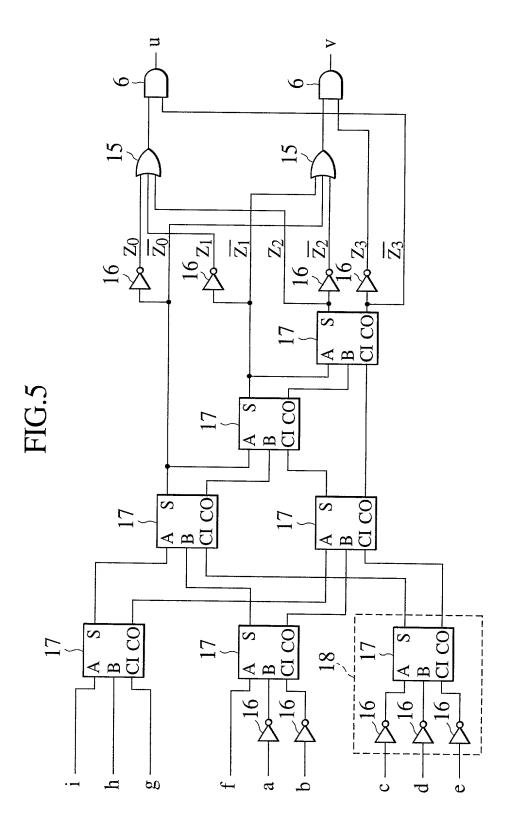


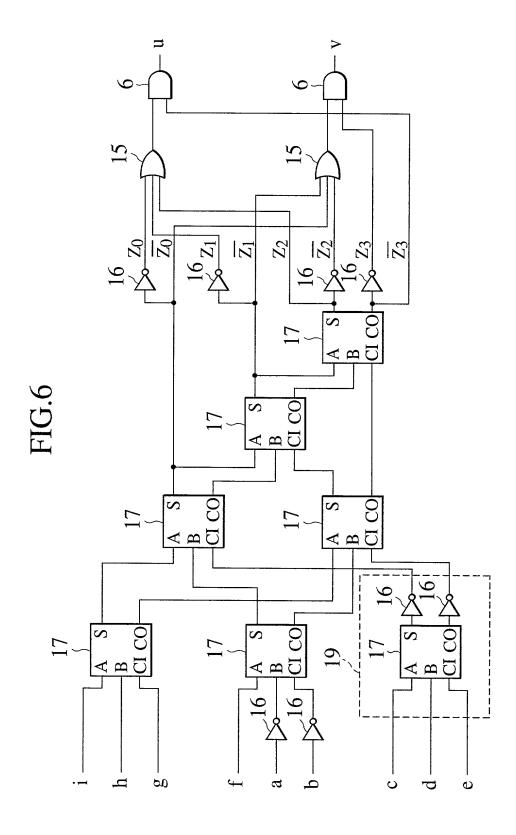
FIG.3(b)

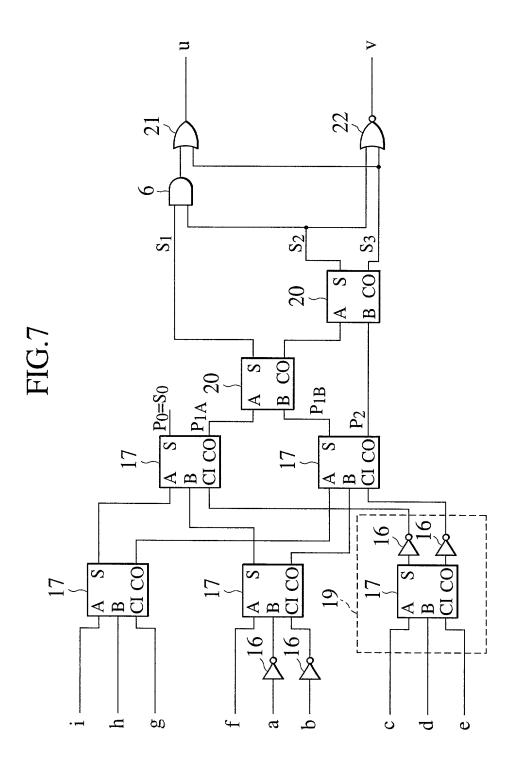


## FIG 4

INTE	'RIV		IAT	INTERMEDIATE SUM S TRUE SUM Z=S-5	S	TRI	田	SUN	Z J	-S-5	SIGN	CONDITION
S3 S2 S1 S0	32	S1	S0			Z3 .	77	Z3 Z2 Z1 Z0	Z0			
0	0 0 0	0	0	(0)		-	0			(-5)	ŀ	OVERFLOW
0	0 0	0	-	(1)		-	_	0	0	(-4)	***************************************	OVERFLOW
0	0	-	0	(2)		-	-	0		(-3)	-	OVERFLOW
0	0		-	(3)		-	-	-	0	(-2)	-	OVERFLOW
0	_	0	0 0	(4)		-	_			(-1)	ı	
0		0	0 1	(5)		0	0	0 0 0 0	0	(0)	+	
0	-	-	0	(9)		0	0	0 0 1		(1)	+	OVERFLOW
0		-	-	(7)		0	0		0	(2)	+	OVERFLOW
1	0 0 0	0	0	(8)		0	0	-	<u></u>	(3)	+	OVERFLOW
	0	0		(6)		0		0 0	0	(4)	-1-	OVERFLOW

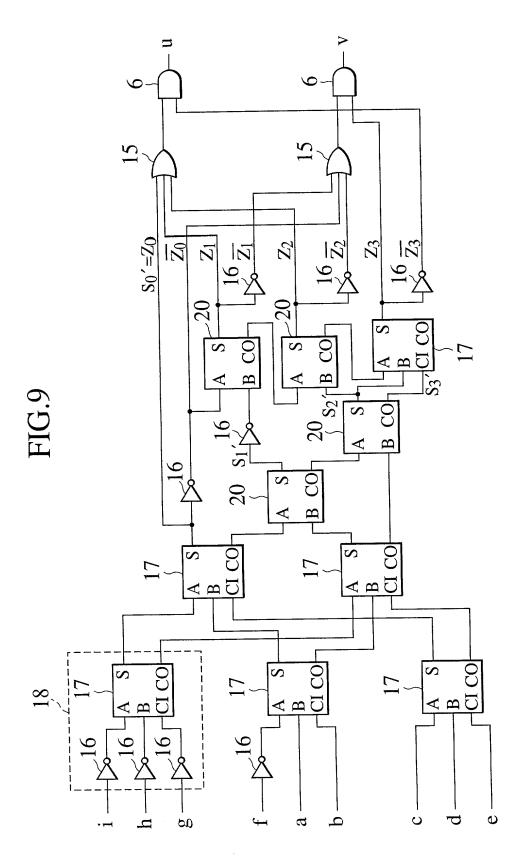






# THEFT. THEST

#### S C L I I I



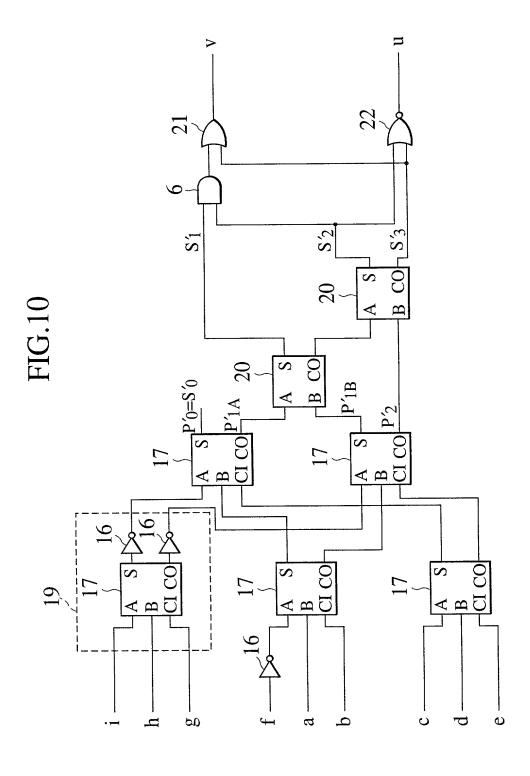


FIG. 11

												-т	Т			
CONDITION	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW					OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW
SIGN	1		i	ļ	1	ļ	l	+	1	+	+	+	+	+	+	+
TRUE SUM Z=S-5	1011 (-5)	1100 (-4)	1101 (-3)	11110 (-2)	1101 (-3)	11110 (-2)	1111 (-1)	(0) 0000	1111 (-1)	(0) 0000	0001 (1)	0010 (2)	0001 (1)	0010 (2)	0011 (3)	0100 (4)
INTERMEDIATE SUM S	(0) 0000	0 0 0 1 (1)	0010 (2)	0 0 1 1 (3)	0010 (2)	0 0 1 1 (3)	0100 (4)	0101 (5)	0100 (4)	0101 (5)	0110 (6)	0 1 1 1 (7)	0110 (6)	01111 (7)	1000 (8)	1001 (9)
REDUNDANT BINARY	P2 FIB FIA FU			0 1 1	0 0	1 0 1	1 1 0	1 1 1	0 0 0	0 0 1	0 1 0	0 1 1	1 0 0	1 0 1	1 1 0	1 1 1
REDI BI	P2 P1					0	0	O		-			-	-	-	,   -

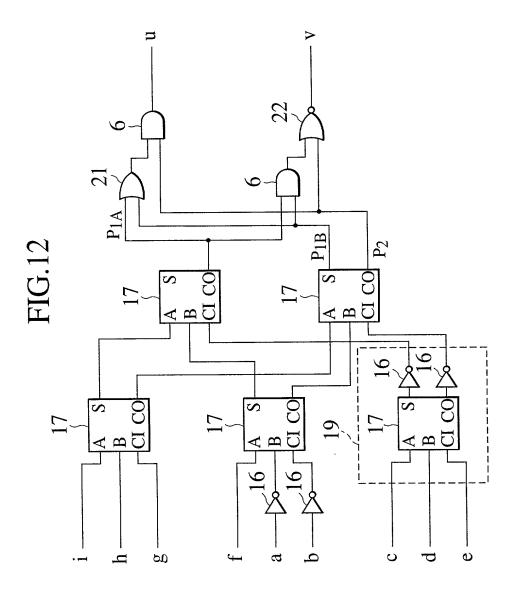


FIG.13

CONDITION		OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW					OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW	OVERFLOW
SIGN		+	+	+	+	+	+	+	ļ	+	1	***************************************	L	I	ı	Î	1
TRUE SUM Z=4-S'		0100 (4)	0011 (3)	0010 (2)	0001 (1)	0010 (2)	0001 (1)	0000 (0)	1111 (-1)	0000 (0)	1111 (-1)	1110 (-2)	1101 (-3)	1110 (-2)	1101 (-3)	1100 (-4)	1011 (-5)
INTERMEDIATE SUM S'		(0) 0000	0001 (1)	0010 (2)	0 0 1 1 (3)	0 0 1 0 (2)	0 0 1 1 (3)	0100 (4)	0 1 0 1 (5)	0100 (4)	0 1 0 1 (5)	0110 (6)	0 1 1 1 1 (7)	0110 (6)	01111 (7)	1000 (8)	1001 (9)
ANT	P2' P1B' P1A' P0'	0		0	1	0	1	0		0		0	1	0	1	0	
REDUNDANT BINARY	IB' P1	0 0	0 0	0	0 1	1 0	1 0	1 1		0 0	0 0	0	0 1	1 0	1 0	1	1 1
RE	P2′P	0	0	0	0	0	0	0	0	-	-			1	1		1

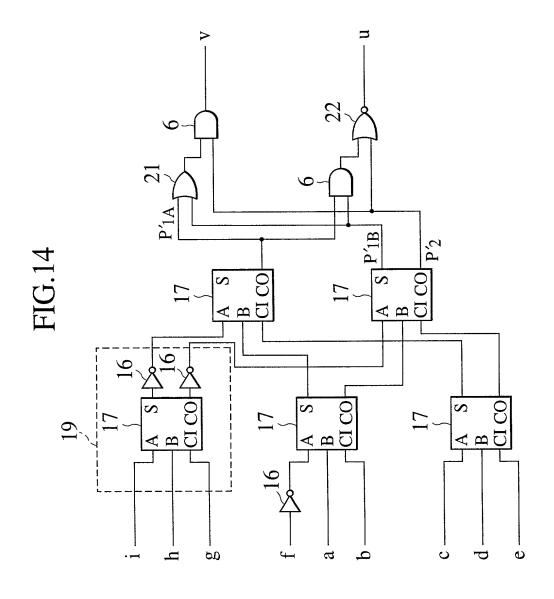


FIG.15

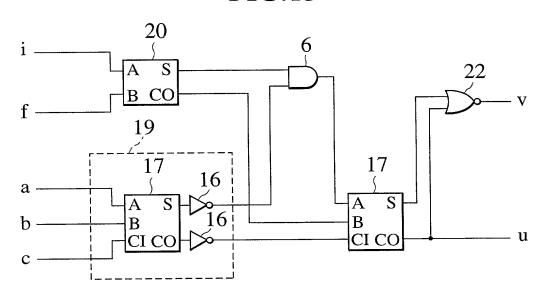


FIG.16

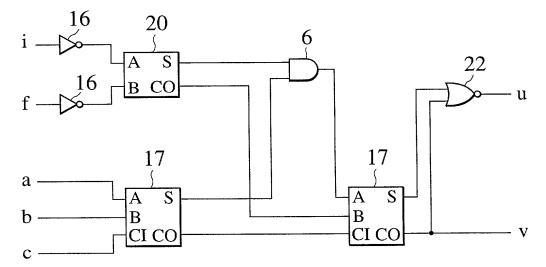


FIG.17

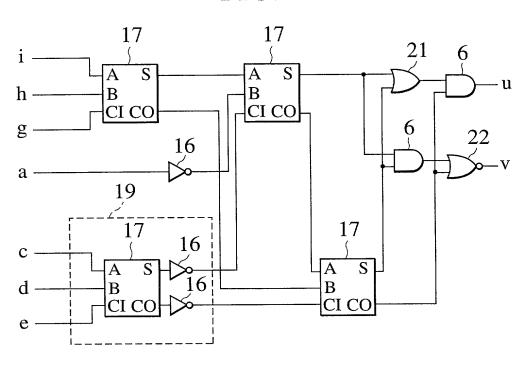
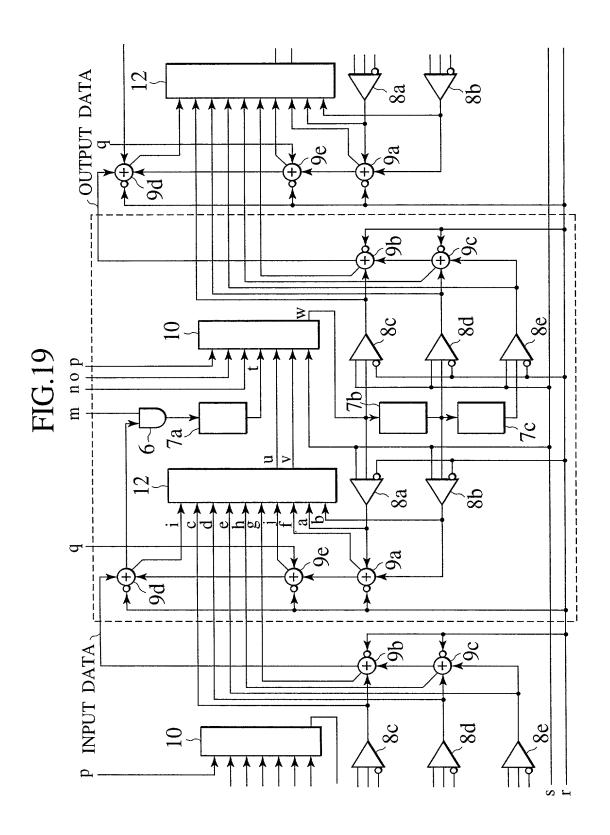
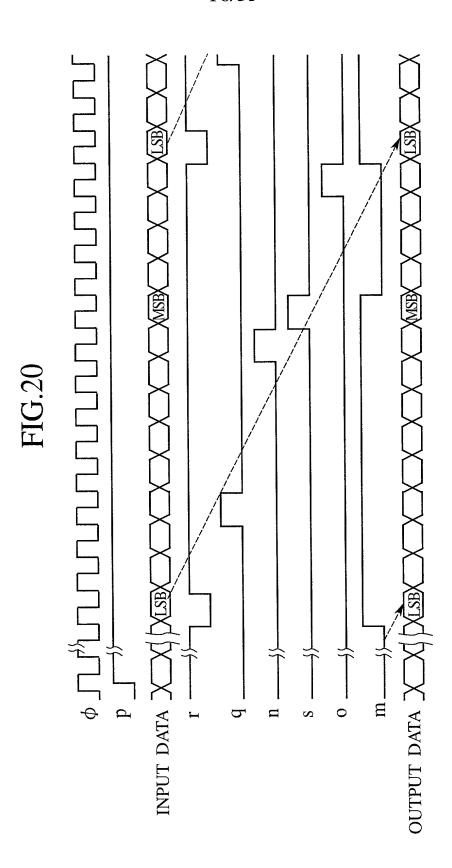
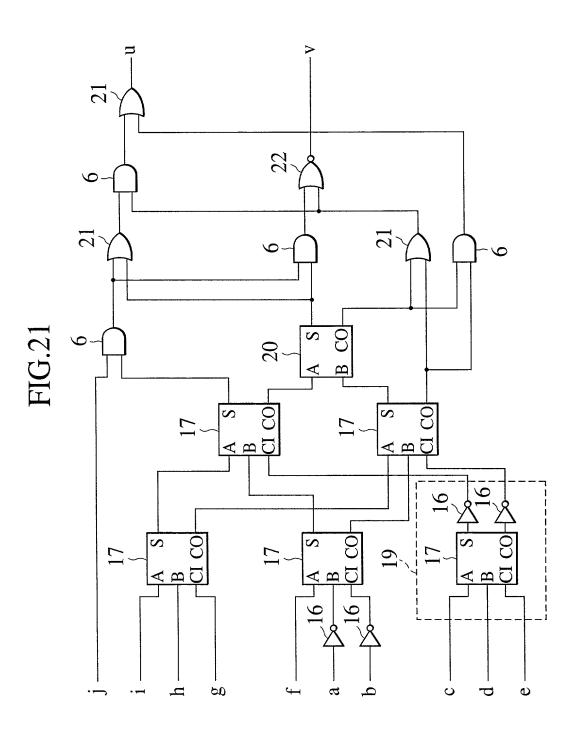
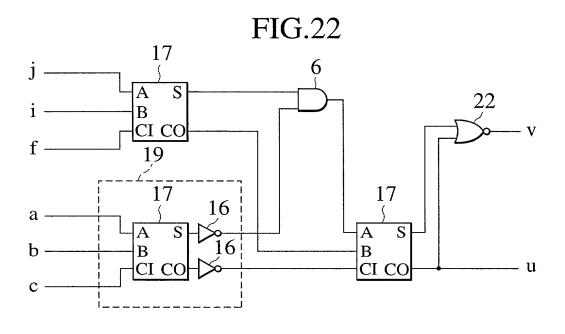


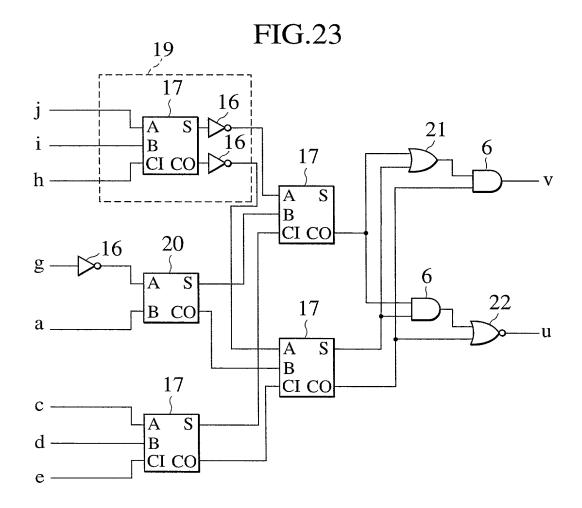
FIG.18 19  $\frac{17}{6}$ 17 16 16 21 A S B CI CO A S B CI CO h 6 g a 17 17 A S B CI CO A S B CI CO S d

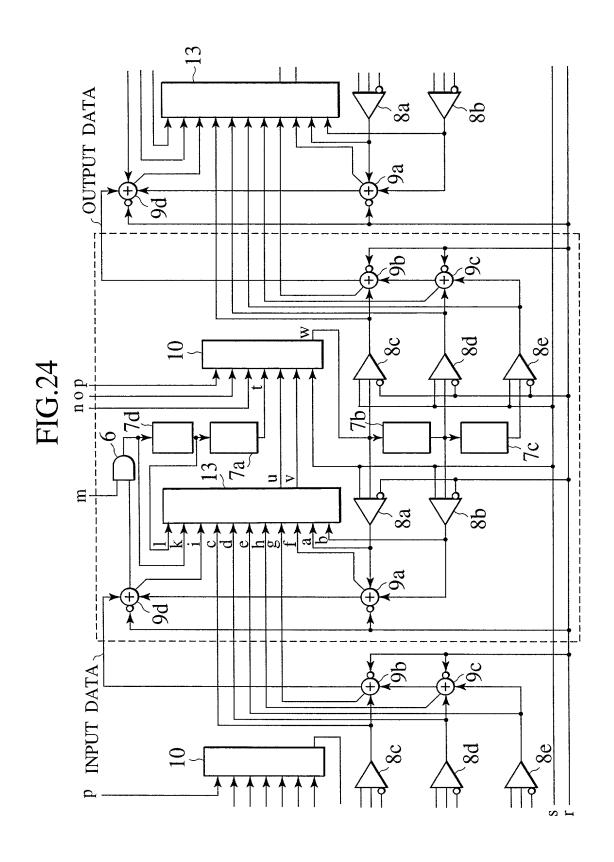


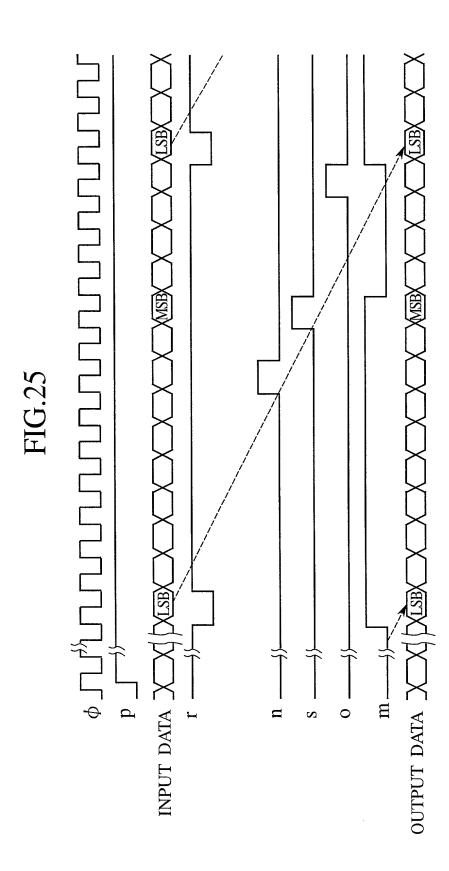


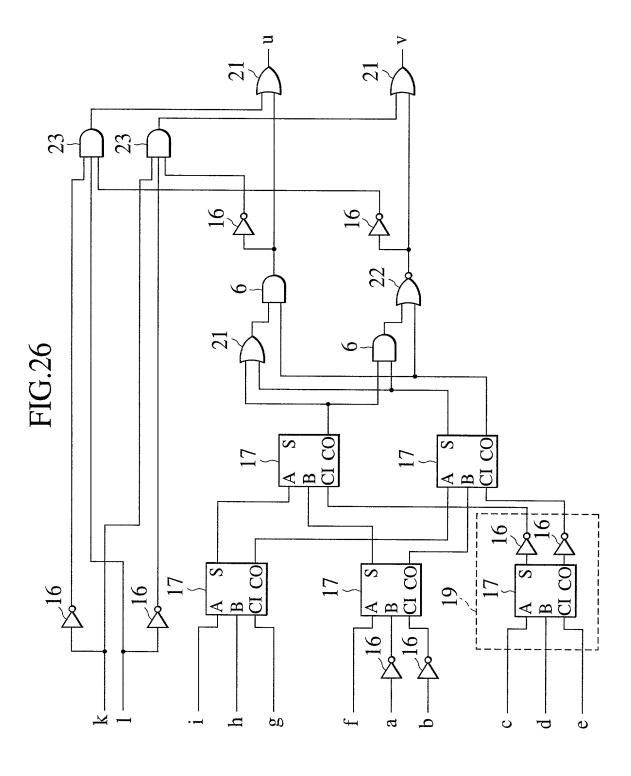


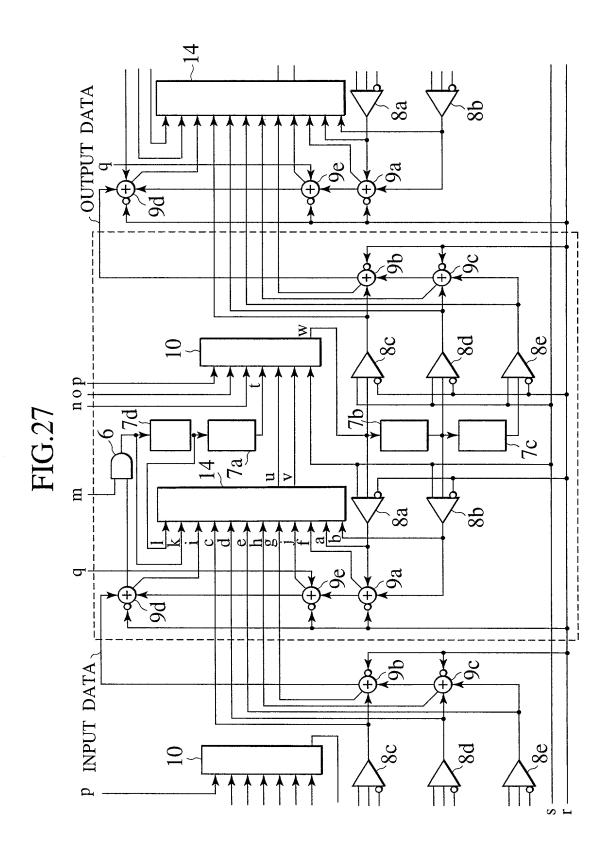


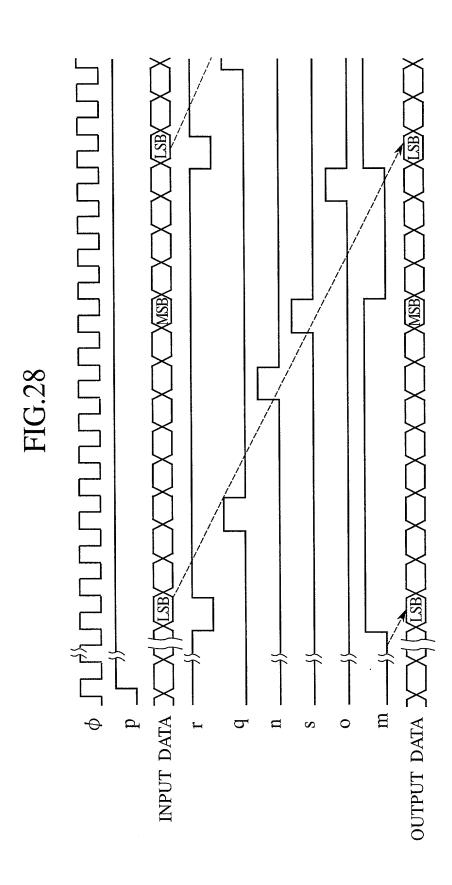


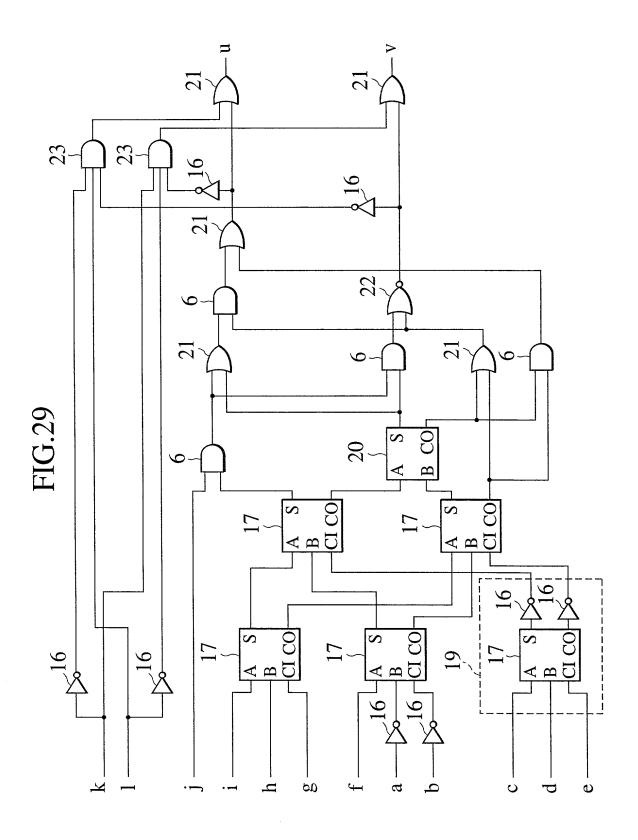


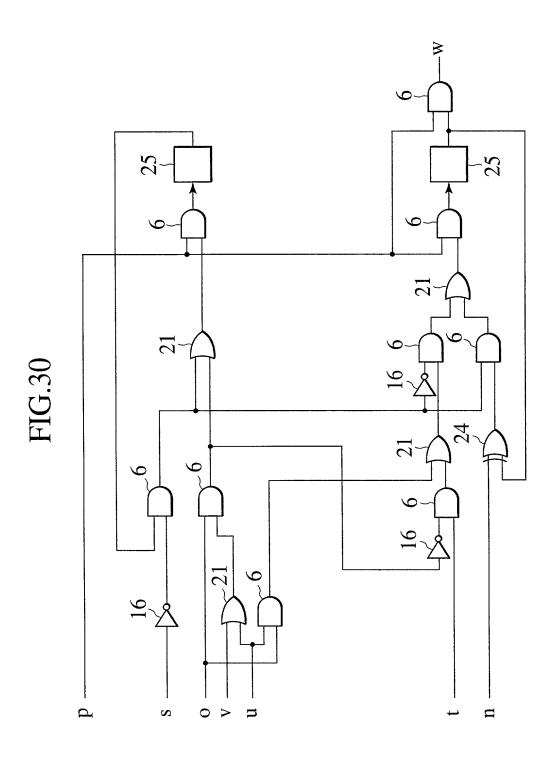












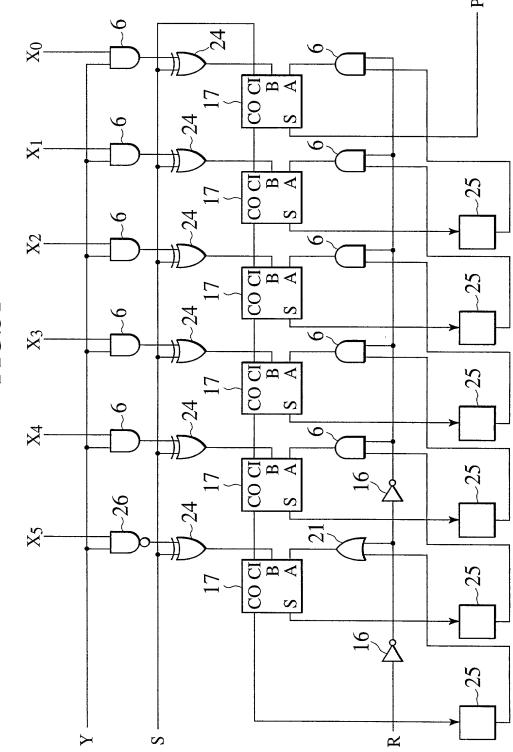


FIG.31

FIG.32

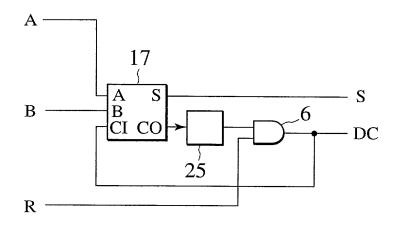


FIG.33

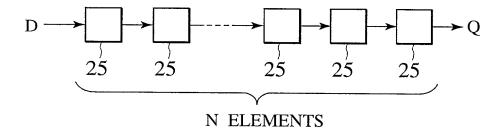


FIG.34

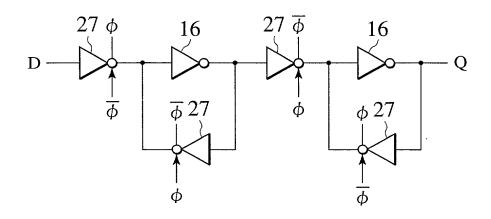
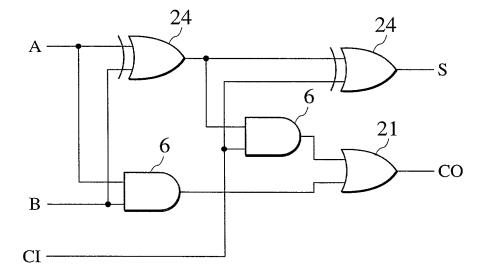


FIG.35



#### FIG.36

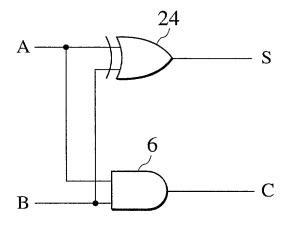
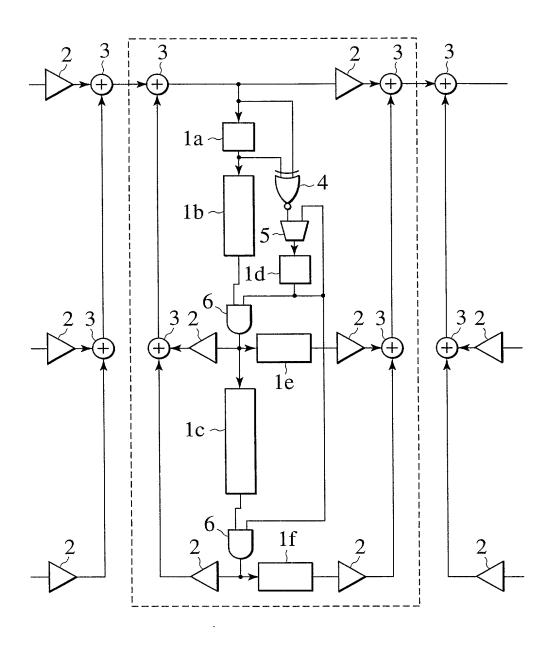


FIG.37



### FIG.38

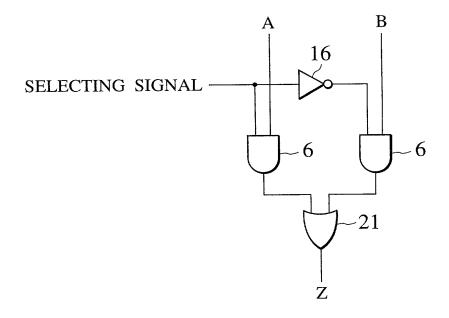


FIG.39(a)

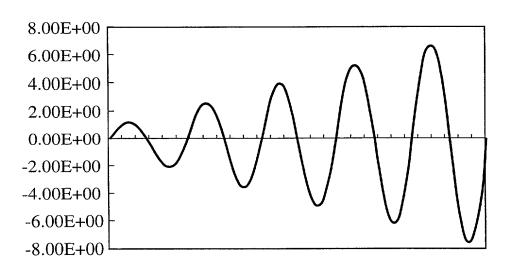
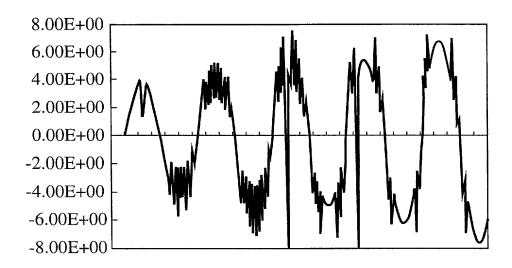


FIG.39(b)



#### FIG.40(a)

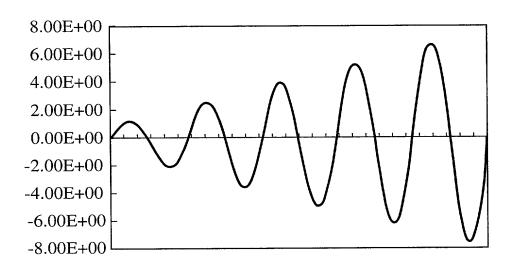


FIG.40(b)

